



# PREMIER VIKING AIR OPERATED BOTTLE JACKS

MODEL NO: **AM20S, AM20SLE, AM30S, AM50S**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



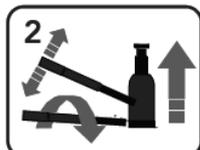
Refer to instructions



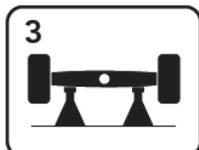
Wear safety footwear



Chock wheels



Pump to raise  
Undo valve to lower



Use axle stands



To lower after use



Lubricate here

## 1. SAFETY

- ✓ The user shall work in accordance with the instructions.
- ✓ It is necessary that the operator can watch the lifting device and the load during all movements.
- ✓ It is not allowed to work under the raised load until it is secured by suitable means.
- ✓ The operator shall be provided with all necessary information about training and about pumping and translating forces.
- ✓ If more than 400N of effort is generated in lifting, the efforts shall be lowered by an additional person.
- ✓ Switch off the engine and apply vehicle handbrake (put automatics in Park).
- ✓ Use a qualified person to maintain the jack in good condition. Keep it clean for best and safest performance.
- ✗ **DO NOT** exceed the rated capacity stated in the specification.
- ✓ Use this jack for lifting purpose only. **DO NOT** use it for any other purpose it is not designed to perform.
- ✓ The air supply hose should not be worn and connections should be in good condition.
- ✓ Keep the hose clean and away from heat, dirty areas or sharp edges and do not bend it.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery, and contain long hair.
- ✓ Wear approved safety goggles when operating the jack.
- ✓ Keep proper balance and footing. **DO NOT** overreach. Wear non-slip footwear.
- ✓ Only use this jack on a surface that is stable, level, dry and not slippery, and capable of sustaining the load.
- ✓ Keep the surface clean, tidy and free from unrelated materials, and ensure there is adequate lighting.
- ✓ Ensure that there are no persons inside the vehicle to be lifted.
- ✓ Position the jack under the manufacturer's recommended lifting point for the vehicle and ensure that it is not corroded, dirty or greasy. This point should remain centred over the jack saddle. All off-centred loads can slip and accidents may result.
- ✓ When lifting a vehicle, apply the handbrake and chock all wheels.
- ✓ Immediately after lifting, support the load with appropriate supporting equipment such as axle stands of adequate capacity.
- ✗ **DO NOT** work under a load which is supported only by a jack.
- ✓ Before lowering the load, ensure that there are no obstructions underneath and that all persons are standing clear.
- ✗ **DO NOT** attempt to move the load while on the jack. The jack must only be used in a static position for lifting and lowering loads.
- ✓ Ensure the load remains stable at all times.
- ✗ **DO NOT** use the jack if damaged, any suspect parts are noted or it has been subjected to a shock load.
- ✗ **DO NOT** operate the jack when you are tired or under the influence of alcohol, drugs or any intoxicating medication.
- ✗ **DO NOT** allow untrained persons to operate the jack.
- ✗ **DO NOT** make any modifications to the jack.
- ✗ **DO NOT** use brake fluid or any other improper fluid and avoid mixing different types of oil when adding hydraulic oil.
- ✓ Only a good quality hydraulic jack oil can be used.
- ✗ **DO NOT** expose the jack to rain or any other kind of bad weather.
- ✓ If the jack needs repairing, only use replacement parts supplied by the manufacturer. Use an authorised serviced centre.
- **WARNING!** The warnings, cautions and instructions discussed in this instructions manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.
- ✓ If the product needs to be scrapped, it should be handled according to local regulations.
- ✓ Use only approved parts/accessories obtained from a Sealey supplier. The use of non-approved items could be dangerous and will invalidate the warranty.

## 2. INTRODUCTION

Air/Hydraulic bottle jack capable of both air assisted or manual operation. Fitted with safety overload valve. All steel, one-piece extra thick base, reservoir and pump cylinder design gives added strength. Fully serviceable ram piston. Supplied with 90° rotating pump and telescopic pump handle. Service kit readily available.

### 3. SPECIFICATION

MODEL NO.	AM20S	AM20SLE	AM30S	AM50S
Applicable Standard:	EN 1494	EN 1494	EN 1494	EN 1494
Air Consumption:	7.5cfm	7.5cfm	7.5cfm	10.5cfm
Capacity:	20 Tonne	20 Tonne	30 Tonne	50 Tonne
Chassis Length:	208mm	208mm	N/A	N/A
Maximum Height:	515mm	325mm	521mm	470mm
Minimum Height:	260mm	185mm	276mm	300mm
Piston Stroke:	150mm	80mm	150mm	170mm
Screw Extension:	105mm	60mm	95mm	N/A
Working Pressure:	109-123psi	109-123psi	109-123psi	109-123psi

### 4. PREPARATION

#### 4.1. CONNECT AIR SUPPLY

- 4.1.1. An in-line filter is recommended, drain daily. Drain compressor tank daily.
- 4.1.2. Before connecting air supply hose ensure trigger is not pressed down.
- 4.1.3. Ensure constant air pressure is maintained during operation: 109-123psi and a minimum air flow of 28L/min.

#### 4.2. BLEED SYSTEM

- 4.2.1. Prior to using the jack, eliminate any air that may have accumulated in the system.
- 4.2.2. Position the lever in the release valve and turn once in an anti-clockwise direction.
- 4.2.3. Place the lever into the lever support and pump the jack several times to ensure internal lubrication and the elimination of accumulated air. Alternatively, press trigger A of the valve briefly.
- 4.2.4. Place the lever in release valve again and close it in a clockwise direction.
- 4.2.5. Jack is now ready for operation.

### 5. OPERATION

- WARNING!** Ensure that you read, understand and apply the safety instructions and warnings before use.
- WARNING!** Ensure that you have familiarised yourself thoroughly with the product and the hazards associated with improper use.

#### 5.1. BEFORE FIRST USE

- 5.1.1. Before first use, pour a teaspoon of good quality air tool lubricant into the hose quick coupler, then connect it to the air source, turn on the air valve and allow to work for 3 seconds to evenly distribute the lubricant.

#### 5.2. LIFTING

- 5.2.1. Use the slotted end of the handle to turn the release valve clockwise until it is firmly closed.
- 5.2.2. Apply the handbrake and chock all wheels to prevent any movement of the vehicle being lifted.
- 5.2.3. Place the jack into position and adjust as needed.  
**NOTE:** check the vehicle owner's manual for the location of recommended lifting points.
- 5.2.4. Connect the air quick coupler-male into the air quick coupler-female, then turn on the air valve.
- 5.2.5. Raise the load to the desired height.
- 5.2.6. Turn off the air valve and immediately **USE AXLE STANDS** with adequate capacity to support the load.
- 5.2.7. When an air source is not available, insert the big end of the handle into the handle bracket.
- 5.2.8. Pump it manually to raise the load to the desired height.
- 5.2.9. Immediately transfer the load to appropriate support devices such as axle stands.

#### 5.3. LOWERING

- WARNING!** Be sure all tools and personnel are clear before lowering the load.
- 5.3.1. When work is done, raise the load enough to carefully remove the axle stands.
- 5.3.2. Slowly and carefully lower the load by turning the release valve anticlockwise (use the slotted end of the handle) in extremely small increments.
- 5.3.3. Lower by turning clockwise as needed and remove the jack.
- WARNING!** Dangerous dynamic shock loads are created by quick opening and closing the release valve when the load is being lowered. The resulting overload may cause hydraulic system failure which could cause severe personal injury and/or property damage.

### 6. MAINTENANCE

- 6.1. Jacks shall be maintained and repaired in accordance with the Sealey instructions. Such maintenance and repair shall be carried out by qualified persons. **DO NOT** make any modifications to the jack.
- 6.2. Check the state of the markings and that the marking remain as the initial one.
- 6.3. Clean the outside of the jack with a dry, clean and soft cloth.
- 6.4. Periodically lubricate the joints and all moving parts with a light oil as needed.
- 6.5. When not in use, store the jack in a dry location with the ram fully lowered.
- 6.6. BLEEDING THE HYDRAULIC SYSTEM**  
Bleed the hydraulic system to eliminate any air in the system if jack efficiency drops or the jack doesn't work
- 6.7. CHECK THE HYDRAULIC OIL**
  - 6.7.1. Place the jack in an upright position, completely lower the ram and remove the filler plug. If it is not completely full, fill with high quality hydraulic jack oil to the lower rim of the fill hole, bleed away air from the hydraulic system as described in 6.7. Top off with more hydraulic oil, then replace the filler plug.
  - 6.7.2. For the best performance and longest life, completely replace the jack hydraulic oil at least once a year; with the ram fully lowered, remove the oil filler plug, lay the jack on its side and drain the oil into a suitable container, then fill with high quality hydraulic jack oil. Reinstall the filler plug.  
**NOTE:** dispose of hydraulic oil in accordance with local regulations.
- 6.8. It is recommended that an annual inspection be done by qualified technicians.

## 7. TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Jack will not lift load.	Release valve not tightly closed.	Close release valve firmly.
	Overload condition.	Remedy overload condition.
	Air supply inadequate.	Ensure adequate air supply.
	Air trapped in system.	Purge away air from system.
Jack will lift, but will not maintain pressure.	Released valve not tightly closed.	Close release valve firmly.
	Overload condition.	Remedy overload condition.
	Hydraulic unit malfunction.	Contact your dealer.
Will not lower after unloading.	Reservoir overfilled.	Drain oil to proper level.
	Linkages binding.	Clean and lubricate moving parts.
Poor lifting performance.	Hydraulic oil level low.	Add oil to proper level.
	Air trapped in system.	Purge away air from system.
Will not lift to maximum height.	Hydraulic oil level low.	Add oil to proper level.
Poor manual performance	Air trapped in system.	Use the slotted end of the handle to turn the release valve 1-1/2 turns anticlockwise and remove the oil filler plug by gently pulling. Insert the handle into the handle bracket and pump it 10-15 times, then replace the filler plug.
Poor air operated performance	Air trapped in system.	Connect the air inlet fitting to air source, use the slotted end of the handle to turn the release valve 1-1/2 turns anticlockwise and remove the oil filler plug by gently pulling, turn on the air valve to let the pump work for one minute, then replace the filler plug.



### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 36 months from purchase date, proof of which is required for any claim.

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